

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SERIAL NO.:

FILED: Herewith

TITLE: WATER HEATER PROVIDED WITH COMPACT DESIGN AND HOT WATER TEMPERATURE FOR HUMAN BODY

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) A water heater comprising:

a case ~~consisted~~ comprised of one front case and one back plate and ~~contains~~ fittings inside an interior thereof; _____

a exhaust hood installed inside the case and near the coping with one vent on the top;

a heat exchange module and a main heat valve installed under the exhaust hood, ~~and~~ the said heat exchange module having an inlet head and the outlet head are installed on the two sides at the an end of the hot water pipes respectively. Holes; wherein holes are punched on the case and the plate correspondingly to connect intake head with water supply pipes going through the plate: ~~The; wherein the~~ outlet head goes through the case and a pin connects one water-intake hose directly: ~~The said~~ water pipes ~~are with~~ having considerable flexibility: ~~The; and wherein the~~ ignition module is installed on one side of main heat valve;

a control valve installed under the main heat valve, ~~which consists~~ said control valve being comprised of one gas valve, one control switch and one water plate: ~~The; wherein a~~ gas inlet of said gas valve is connected ~~with to~~ a gas can: ~~Two; wherein~~ pipes are installed on the water plate,

which are pin connected with the input terminal and output terminal of the heat exchange module:

~~These, said~~ two pipes ~~are with~~ having considerable flexibility;

~~Due to the fittings mentioned above, this water heater is designed in smaller size and convenient to be brought outdoors. With wherein~~ low flow capacity the temperature of hot water output ~~can be adjusted for~~ adjusts for direct use ~~of by a~~ human body without mixing cold water. ~~It meets the function of quick installation with water supply pipes. It is therefore an economic water heater.~~

2. (Original) The water heater defined in claim 1, wherein said inlet head and outlet head of the water heater can be installed in any suitable place on the side of the water heater.

3. (Currently amended) The water heater defined in claim 1, wherein said intake head in the heat exchange module is constructed on the basis of Venturi meter theory. ~~There is, such that~~ a pressure drop of flowing water between the outlet head and the input and output terminals, ~~so as to control~~ controls the gas valve and the ignition module of main heat valve. ~~Especially, wherein,~~ when the water pressure is low, ~~it can adjust~~ inner flow is adjusted to increase pressure drop of the input and output terminals.

4. (Currently amended) The water heater defined in claim 1, wherein said suspension components are located on one side of the water heater, so as to suspend the water heater in a proper place.

5. (Currently amended) The water heater defined in claim 1, wherein said gas inlet of the gas valve and gas ~~can are provided with~~ are further comprised of a connector at ~~the~~ a connecting point.

6. (Currently amended) The water heater defined in claim 1, wherein said ~~the~~ gas inlet of the gas valve can be firstly installed with a rotational pipe, and then pin connected with the connector and gas can, so as to connect the gas can with the water heater in any suitable place on the side of the water heater.